

REMARKS

Claims 1-40 are amended. Claims 6-10, 12, 14, 15, 17-20, 22, 24-28, 30, 32, 35, 37, 38 and 40 are amended to eliminate multiple dependencies. Prompt and favorable consideration on the merits is respectfully requested.

The attached Appendix includes marked-up copies of each rewritten claim (37 C.F.R. §1.121(c)(1)(ii)).

Respectfully submitted,

James A. Oliff
Registration No. 27,075

Joel S. Armstrong
Registration No. 36,430

JAO:JSA/zmc

Attached: APPENDIX

Date: July 23, 2001

OLIFF & BERRIDGE, PLC
P.O. Box 19928
Alexandria, Virginia 22320
Telephone: (703) 836-6400

DEPOSIT ACCOUNT USE AUTHORIZATION

Please grant any extension
necessary for entry;
Charge any fee due to our
Deposit Account No. 15-0461

APPENDIX

Changes to Claims:

The following are marked-up versions of the amended claims:

6. (Amended) An electrical machine according to claim 1 ~~any one of the claims 1-5~~, wherein each separate pole core has a corresponding separate coil or set of windings.
7. (Amended) An electrical machine according to claim 1 ~~any one of the claims 1-6~~, wherein the rotor is arranged so that at least part of the rotor is substantially perpendicular to the axis of rotation
8. (Amended) An electrical machine according to claim 1 ~~any one of the claims 1-7~~, wherein the angle is equal to or below 45 degrees.
9. (Amended) An electrical machine according to claim 1 ~~any one of the claims 1-8~~, wherein the angle is equal to or below 30 degrees.
10. (Amended) An electrical machine according to claim 1 ~~any one of the claims 1-9~~, wherein at least a portion of one or more of the pole cores is substantially parallel to the axis of rotation.
12. (Amended) An electrical machine according to claim 1 ~~any one of the claims 1-11~~, wherein one or more pole cores have a portion arranged substantially perpendicular to the axis of rotation of the shaft.
14. (Amended) An electrical machine according to claim 1 ~~any one of the preceding claims~~, wherein the rotor is circular.
15. (Amended) An electrical machine according to claim 1 ~~any one of the claims 1-14~~, wherein the stator further comprises a magnetic conductive end plate connected to said pole legs or cores.

17. (Amended) An electrical machine according to claim 1 ~~any one of the claims 1-16~~, wherein the number of pole cores equals the number of magnets or means for producing a magnetic field.

18. (Amended) An electrical machine according to claim 1 ~~any one of the preceding claims~~, wherein the magnets or means for producing a magnetic field are located radially and equidistantly in the rotor.

19. (Amended) An electrical machine according to claim 1 ~~any one of the preceding claims~~, wherein the magnets or means for producing a magnetic field are located on one side of the rotor facing ends of the pole cores.

20. (Amended) An electrical machine according to claim 1 ~~any one of the claims 1-18~~, wherein the magnets or means for producing a magnetic field are located on the outer periphery of the rotor.

22. (Amended) An electrical machine according to claim 1 ~~any one of the preceding claims~~, wherein magnets or means for producing a magnetic field are arranged on the rotor to fit substantially into a V-shape.

24. (Amended) An electrical machine according to claim 1 ~~any one of the preceding claims~~, wherein the machine is a synchronous one phase machine.

25. (Amended) An electrical machine according to claim 1 ~~any one of the preceding claims~~, wherein the magnets or means for producing a magnetic field are permanent magnets.

26. (Amended) An electrical machine according to claim 1 ~~any one of the claims 1-25~~, wherein the magnets or means for producing a magnetic field are electromagnets.

27. (Amended) An electrical machine according to claim 1 ~~any one of the preceding claims~~, wherein a winding or coil is formed by a flat concentrated coil.

09839377.000601

28. (Amended) An electrical machine according to claim 1 ~~any one of the preceding claims~~, wherein the pole cores are assembled of a magnetic conducting material.

30. (Amended) An electrical machine according claim 1 ~~to any one of the preceding claims~~, wherein the machine is a generator which may be provided with a mechanical force/power via said shaft to generate an electrical power via said windings.

32. (Amended) A multiphase machine, wherein a number of phases is obtained by arranging a corresponding number of one phase machines according to claim 24 ~~any one of the claims 24-31 in series~~.

35. (Amended) An electrical machine according to claim 1 ~~any one of the claims 1-11~~, wherein the pole cores are formed by U-shaped elements, said elements being arranged in the stator so that one pole core is formed by two adjacent legs of two U-shaped elements.

37. (Amended) An electrical machine according to claim 1 ~~any one of the preceding claims~~, wherein the pole cores are made of a magnetic conducting material, and wherein the pole cores are arranged on a stator plate made of a material having a low magnetic conductivity.

38. (Amended) An electrical machine according claim 1 ~~to any one of the preceding claims~~, wherein the width of a pole core is substantially equal to the distance between two successive pole cores.

40. (Amended) An electrical machine according to claim 1 ~~any one of the preceding~~, wherein a first stator is arranged opposite to and facing a first side of the rotor, and a second stator is arranged opposite to and facing the other side of the rotor.